MITSUBISHI ELECTRIC
COOLING & HEATING

P-SERIES

SUBMITTAL DATA: PLA-A24BA4 & PUY-A24NHA4 (-BS)

24,000 BTU/H CEILING CASSETTE AIR-CONDITIONING SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For ☐Reference ☐Approval ☐Construction	
System Designation:	Schedule No.:	

Indoor Unit: PLA-A24BA4

Outdoor Unit: PUY-A24NHA4 (-BS)

GENERAL FEATURES

- Compact side-discharge outdoor unit
- Quiet operation—indoor and outdoor units
- Built-in drain lift mechanism for condensate removal; lifts to 33-7/16"
- Wide air flow pattern for better air distribution
- Auto wave airflow in heating mode—unit independently cycles through horizontal and vertical positions for more even heat distribution
- Independent vane adjustment
- Automatic fan speed control
- Limited warranty: five years parts and seven years compressors

UNIT OPTION

□ Standard Model……PUY-A24NHA4
□ Sea Coast (BS) Model……PUY-A24NHA4-BS

OPTIONAL ACCESSORIES

Indoor Unit

□ i-see Sensor Corner Panel (PAC-SA1ME)
□ Multi-function Casement (PAC-SH53TM)
□ Air Outlet Shutter Plates (PAC-SH51SP)
□ High-efficiency (MERV 10) Filter (PAC-SH59KF)

Outdoor Unit

□ Drain Pan (PAC-SG64DP)
□ Drain Socket (PAC-SG61DS)
□ Three-pole Disconnect Switch (TAZ-MS303)
□ Wind Baffle (WB-PA2)
□ Air Outlet Guide (PAC-SG59SG)
□ Mounting Base (DSD-400N)
□ Mounting Pad (ULTRILITE2)
□ Wall-mounting Brackets (CWMB1)

Controller Options

□ Wireless Wall-mounted Remote Controller Kit (MHK1)*
□ Portable Controller (MCCH1)*
□ Outdoor Air Sensor (MOS1)*

*See Submittal for information on each option.

□ Wired Wall-mounted Controller (PAR-21MAAU)
□ M-NET Adapter (PAC-SF81MA)
□ CN51 Connector for Multiple Remote Controller Adapters/Duct Fan Controller (PAC-725AD)
□ CN32 Connector for Remote On/Off (PAC-715AD)
□ Remote Temperature Sensor (PAC-SE41TS)
□ Remote Operation Adapter - Display and On/Off (PAC-SF40RM)
□ Hand-held Wireless Remote Controller (PAR-FL32MA; req. PAR-SA9FA-E)
□ Wireless Signal Receiver Module (PAR-SA9FA-E)
□ Lockdown Bracket for Hand-held Controller (RCMKP1CB)
□ Control/Service Tool (PAC-SK52ST)

R410A INVERTER

SEACOAST PROTECTION

- External Outer Panel: Phosphate coating + Acrylic-Enamel coating
- Fan Motor Support: Epoxy resin coating (at edge face)
- Separator Assembly ; Valve Bed: Epoxy resin coating (at edge face)
- Screws (used outer side): Zinc nickel coating 5μm + Polyvinylidene chloride coating

"Blue Fin" treatment is an anti-corrosion treatment that is applied to the condenser coil to protect it against airborne contaminants..

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SPECIFICATIONS : PLA-A24BA4 & PUY-A24NHA4 (-BS)

Cooling*
Rated Capacity . . . . . .24,000 Btu/h
Minimum Capacity . . . . . .12,000 Btu/h
SEER . . . . . .13.6 Btu/h/W
EER . . . . . 9.6 Btu/h/W
Total Input . . . . . .2,500 W

*** Rating Conditions per AHRI Standard**
Cooling | Indoor: 80º F (27º C) DB / 67º F (19º C) WB
Cooling | Outdoor: 95º F (35º C) DB / 75º F (24º C) WB

Electrical Requirements
Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz
Recommended Fuse/Breaker Size. . . . . .25 A
* Rating Conditions (Cooling) - Indoor: 80°F (27°C) DB, 67°F (19°C) WB.
Outdoor: 95°F (35°C) DB, 75°F (24°C) WB.

Voltage
Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . .DC ±24V

OPERATING CONDITIONS

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95º F (35º C) DB 71º F (22º C) WB	115º F (46º C) DB
	Minimum	67º F (19º C) DB 57º F (14º C) WB	0º F** (-18º C) DB

** With optional wind baffle accessory installed. If not installed, the minimum temperature will be 23º F (-5º C) DB.

Indoor Unit
MCA . . . . . 1 A
Fan Motor (ECM) . . . . . 0.51 F.L.A.
Fan Motor Output . . . . . .50 W
Airflow (Lo - M1 - M2 - Hi) . . . . . 420 - 490 - 570 - 640 Dry CFM
390 - 460 - 530 - 600 Wet CFM
Sound Level (Lo - M1 - M2 - Hi) . . . . . .28 - 29 - 31 - 32 dB(A)
SHF 0.76
Moisture Removal. . . . . 5.1 pt./h

DIMENSIONS	UNIT INCHES / MM	PANEL INCHES / MM
W	33-1/16 / 840	37-3/8 / 950
D	33-1/16 / 840	37-3/8 / 950
H	10-3/16 / 258	1-3/8 / 35

Weight (Unit/Grille)
lbs. . . . . 51 / 13
kg . . . . . 23 / 6
External Finish . . . . . .Munsell No. 6.4 Y 8.9 / 0.4
Field Drainpipe Size O.D. . . . . 1-1/4" / 32 mm

Outdoor Unit
Compressor . . . . . DC Inverter-driven Twin Rotary
MCA . . . .18 A
MOCP. . . . . 30 A
Fan Motor (ECM) . . . . . 0.75 F.L.A.
Sound Pressure Level (Cooling). . . . . .48 dB(A)

DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	37-1/8 / 943

Weight . . . . . .163 lbs. / 74 kg
External Finish . . . . . .Munsell No. 3Y 7.8 / 1.1
Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side . . . . . 5/8" / 15.88 mm
Liquid Side. . . . . 3/8" / 9.52 mm
Max. Refrigerant Pipe Length. . . . . 165' / 50 m
Max. Refrigerant Pipe Height Difference . . . . . 100' / 30 m
Connection Method . . . . . .Flared

Notes:

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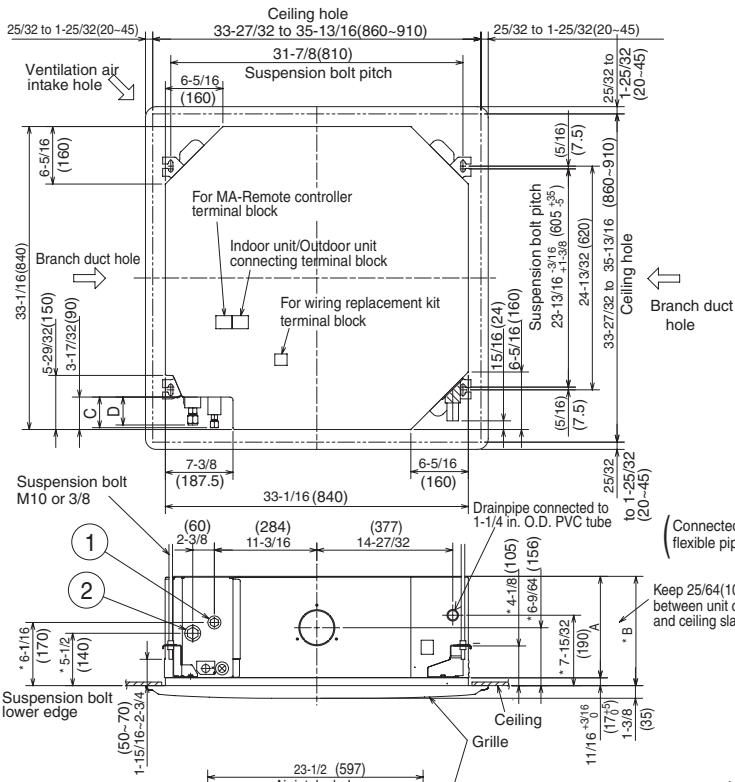
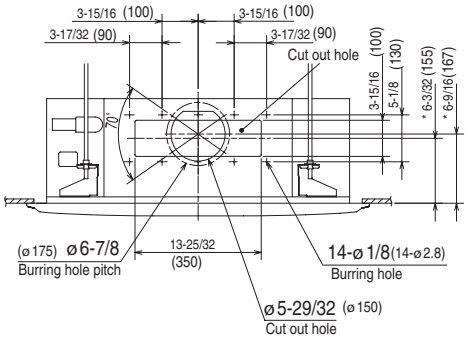
DIMENSIONS: PLA-A24BA4

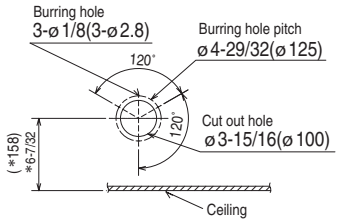
Unit : inch(mm)



Detail connecting of branch duct (nominal 6" round or nominal 4 x 14" rectangular)

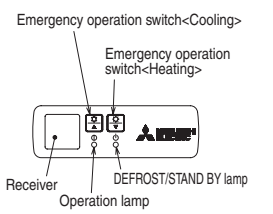


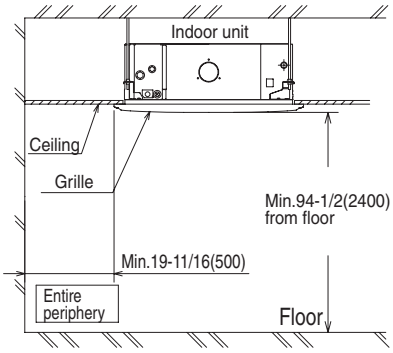
Detail drawing of ventilation air intake connection



In case of standard grille

In case of wireless remote controller





Note1. Use 1-1/4 in. O.D. (32) PVC TUBE. Drain lift mechanism is included.
2. Suspension bolt, use M10 or W3/8. (Field supplied)
3. Electrical box may be removed for service purposes. Make sure to slack the electrical wire little bit for control/power wires connection.
4. The height of the indoor unit is adjustable with the grille attached.
5. For the installation of the optional high efficiency filter, the optional multi-functional casement is required.
   1) Add 5-5/16 (135mm) to the dimensions marked with an * in the figures
   2) The optional high efficiency filter required optional multi-functional casement.
6. When installing the branch ducts, be sure to insulate adequately. Otherwise condensation may occur.
7. As for necessary installation/service space, please refer to the bottom left figure.

Models	①	②	A	B	C	D
PLA-A12BA PLA-A18BA	Refrigerant pipe ····ø6.35mm Flared connection ····1/4	Refrigerant pipe ····ø12.7mm Flared connection ····1/2	9-1/2 (241)	10-3/16 (258)	3-5/32 (80)	2-29/32 (74)
PLA-A24BA PLA-A30BA	Refrigerant pipe ····ø9.52mm Flared connection ····3/8	Refrigerant pipe ····ø15.88mm Flared connection ····5/8				
PLA-A36BA PLA-A42BA			11-1/16 (281)	11-3/4 (298)	3-11/32 (85)	3-1/32 (77)

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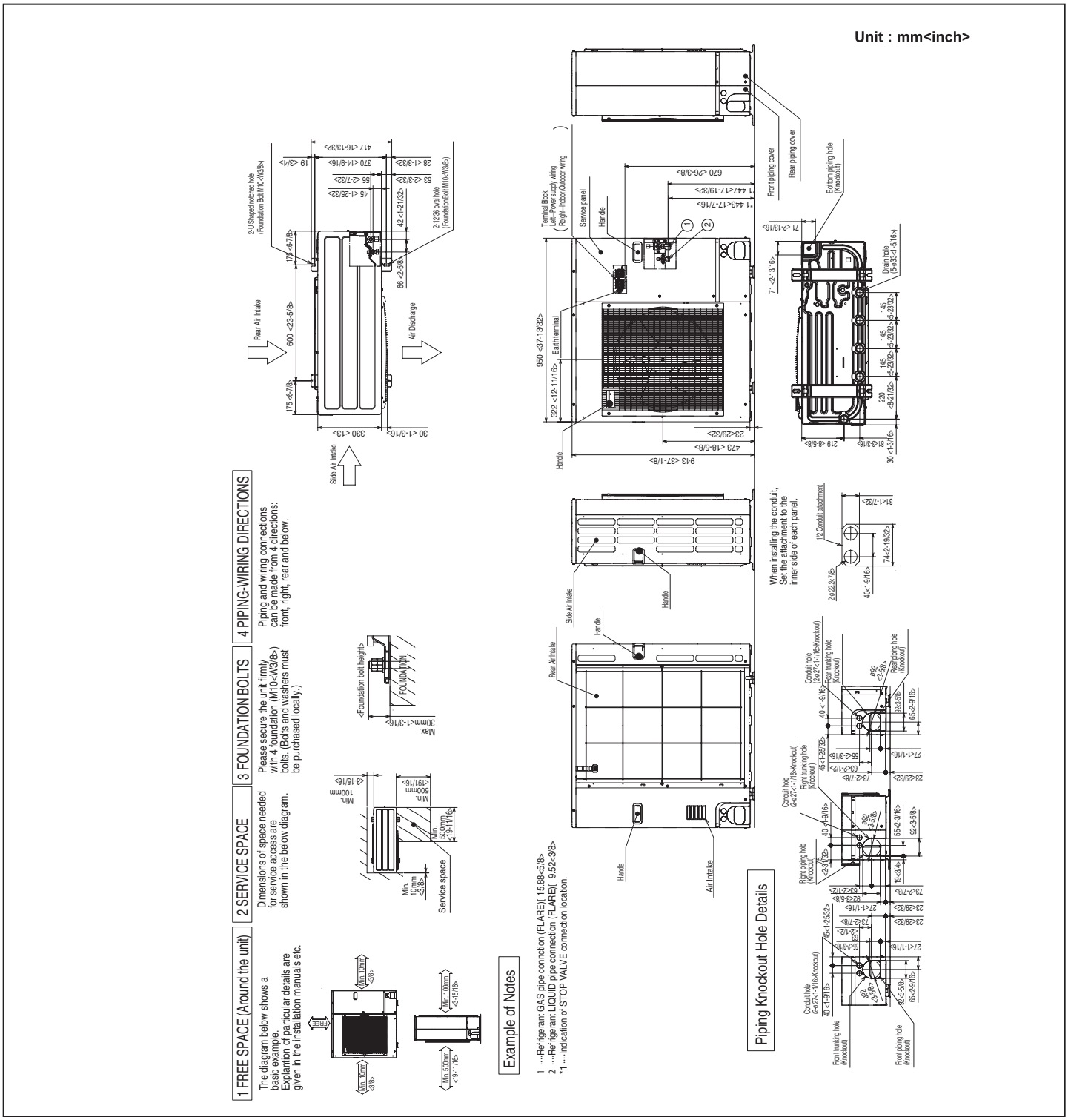
DIMENSIONS: PUY-A24NHA4 (-BS)



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FORM# PLA-A24BA4 - PUY-A24NHA4 (-BS) - 201308

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